

The Knowledge Bank at The Ohio State University

Ohio State Engineer

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RECORD VOICE ON WIRE

Sixty-six minutes of continuous speech can be recorded on 11,500 feet of hairlike wire on a spool no larger than a doughnut. The recorder is contained in a small box, weighing about nine pounds. Its most important wartime use would be in an observation plane. Instead of the pad and pencil now used by the pilot to make notes of what is seen on a scouting trip, the recorder can be used.

There is no apparent wearout to the wire. One hundred thousand reproductions have failed to alter its quality in any respect. When there is no longer any use for the recordings, the wire is made as good as new by magnetically wiping off the speech from the surface.

To the Young Man

Who is

Or who is about to . . .

What we folks at home are trying to do about postwar may seem sometimes remote and obscure. You haven't had much chance to get acquainted with peacetime industry, and to see it in its true role as a creative job-maker.

Take our own business, Alcoa Aluminum.

You know about the tremendous expansion in aluminum capacity. You see most of this seven-fold production going into the planes you are going to fly, the planes that will be your cover on the attack.

But Aluminum's true role is no more military than yours is. Both of us do have an immediate job to do; and then, the future—

Ever stop to think how many things in this old world are crying to be made lighter? Or how many ingenious, imaginative young men are going to be needed to apply and sell and

manufacture the more than two billion pounds of aluminum that will be available every year when this thing is over?

Actually, we see the possibility of a million jobs, doing something with aluminum in peacetime, a million new jobs that did not exist before this war. There are grand careers ahead in aluminum!

We are devoting our eighth day of thinking time to doing what we can to make those careers as certain as anything can be. We call it Imagineering: letting the imagination search the realm of new products and new applications, and then engineering the dreams, the hunches, the markets, into clear paths to follow, someday.

Perhaps one of those paths will be yours to follow in the future.

A PARENTHETICAL ASIDE: FROM THE AUTOBIOGRAPHY OF



ALCOA ALUMINUM

• This message is printed by Aluminum Company of America to help people to understand *what we do* and *what sort of men* make aluminum grow in usefulness.